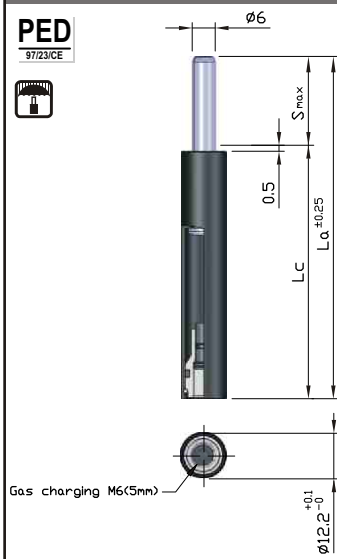


## TPC 12

PED  
97/23/CE



Pressure medium

Nitrogen Gas (N<sub>2</sub>)

Max. charging pressure **150 Bar**

Min. charging pressure **20 Bar**

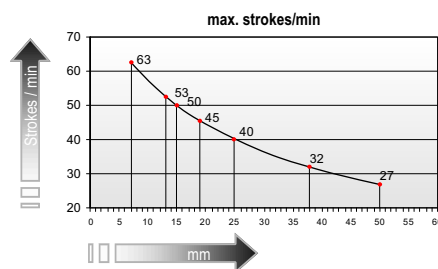
Rod seal area **0,28 cm<sup>2</sup>**

Max. working temperature **80°C**

Force increase by temperature **0,33% / 1°C**

Max. stem speed **20 m/min**

Maintenance kit **kit C12**



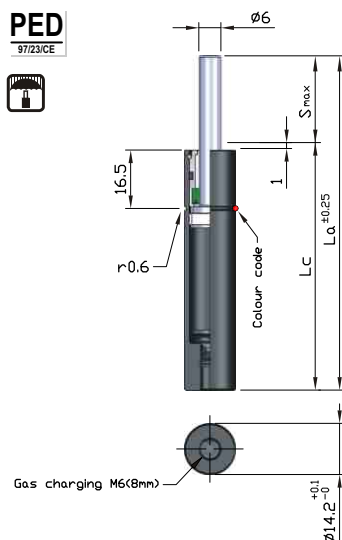
Code	S max mm	La mm	Lc mm	V l	Kg
TPC 12x7	7	56	49	0,005	0,03
TPC 12x13	13	68	55	0,001	0,03
TPC 12x15	15	72	57	0,001	0,04
TPC 12x19	19	80	61	0,001	0,05
TPC 12x25	25	92	67	0,002	0,05
TPC 12x38	38	118	80	0,003	0,06
TPC 12x50	50	142	92	0,004	0,06

Colour code	Fa daN	Fc daN	P Bar
Green	13 (±5)	20	45
Blue	25 (±5)	40	90
Red	38 (±10)	60	135
Yellow	42 (±10)	65	150
Black	6 - 42	10 - 65	20 - 150

The black colour code denotes the adjustable pressure version (adjustable between 20 and 150 Bar). If not otherwise specified, these gas springs will be supplied in the yellow colour code version.

## TPC 14

PED  
97/23/CE



Pressure medium

Nitrogen Gas (N<sub>2</sub>)

Max. charging pressure **150 Bar**

Min. charging pressure **50 Bar**

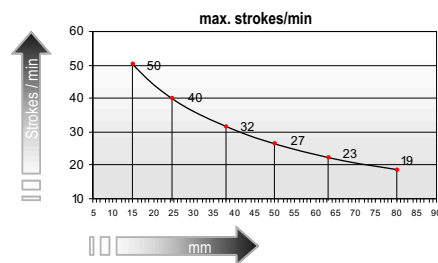
Rod seal area **0,28 cm<sup>2</sup>**

Max. working temperature **80°C**

Force increase by temperature **0,33% / 1°C**

Max. stem speed **20 m/min**

Maintenance kit **kit C14**



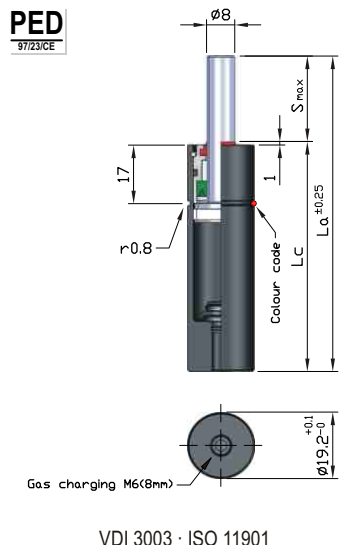
Code	S max mm	La mm	Lc mm	V l	Kg
TPC 14x15	15	72	57	0,002	0,06
TPC 14x25	25	92	67	0,003	0,08
TPC 14x38	38	118	80	0,005	0,09
TPC 14x50	50	142	92	0,006	0,10
TPC 14x63	63	169	106	0,007	0,12
TPC 14x80	80	205	125	0,009	0,15

Colour code	Fa daN	Fc daN	P Bar
Green	20 (±5)	25	70
Blue	30 (±5)	40	110
Red	40 (±5)	50	142
Yellow	50 (±5)	65	175
Black	14 - 50	20 - 65	50 - 175

The black colour code denotes the adjustable pressure version (adjustable between 50 and 175 Bar). If not otherwise specified, these gas springs will be supplied in the yellow colour code version.

## TPC 19

PED  
97/23/CE



Pressure medium

Nitrogen Gas (N<sub>2</sub>)

Max. charging pressure **175 Bar**

Min. charging pressure **25 Bar**

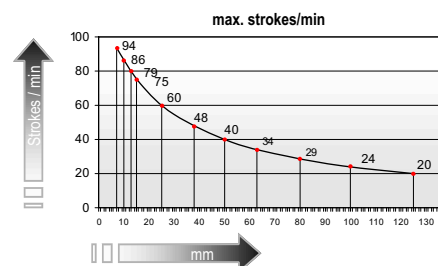
Rod seal area **0,50 cm<sup>2</sup>**

Max. working temperature **80°C**

Force increase by temperature **0,33% / 1°C**

Max. stem speed **0,5 m/s**

Maintenance kit **kit C19**



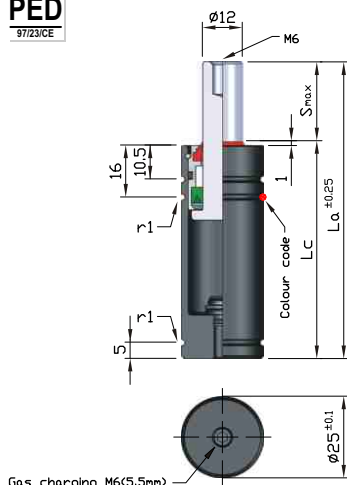
Code	S max mm	La mm	Lc mm	V l	Kg
TPC 19x7	7	56	49	0,002	0,08
TPC 19x10	10	62	52	0,003	0,08
TPC 19x13	13	67,4	54,4	0,003	0,08
TPC 19x15	15	72	57	0,004	0,09
TPC 19x25	25	92	67	0,006	0,10
TPC 19x38	38	118	80	0,008	0,12
TPC 19x50	50	142	92	0,011	0,13
TPC 19x63A	63	168	105	0,013	0,15
TPC 19x63	63	172	109	0,014	0,15
TPC 19x80A	80	202	122	0,016	0,16
TPC 19x80	80	205	125	0,017	0,17
TPC 19x100	100	245	145	0,021	0,18
TPC 19x125	125	295	170	0,026	0,21

Colour code	Fa daN	Fc daN	P Bar
Green	30 (±5)	38	60
Blue	50 (±5)	65	100
Red	70 (±5)	90	140
Yellow	90 (±5)	112	175
Black	13 - 90	16 - 112	25 - 175

The black colour code denotes the adjustable pressure version (adjustable between 25 and 175 Bar). If not otherwise specified, these gas springs will be supplied in the yellow colour code version.

## TPC 25

PED  
97/23/CE



VDI 3003 · ISO 11901

Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**175 Bar**

Min. charging pressure

**25 Bar**

Rod seal area

**1,13 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

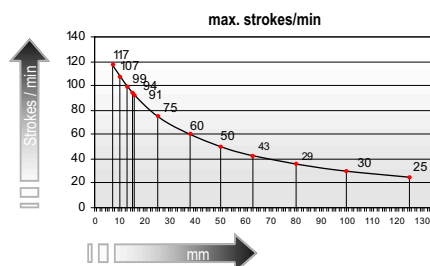
**0,33% / 1°C**

Max. stem speed

**0,6 m/s**

Maintenance kit

**kit C25**



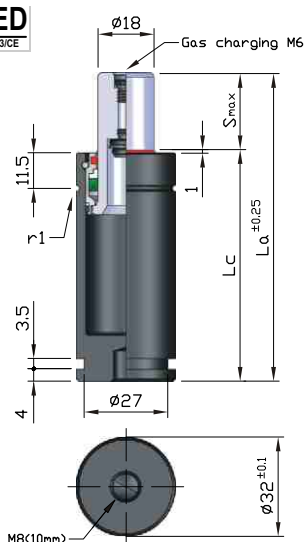
Code	S max mm	La mm	Lc mm	V l	kg
TPC 25x7	7	56	49	0,004	0,13
TPC 25x10	10	62	52	0,005	0,14
TPC 25x13	13	67,4	54,7	0,006	0,14
TPC 25x15	15	72	57	0,007	0,15
TPC 25x16	16	74,3	58,3	0,008	0,15
TPC 25x25	25	92	67	0,011	0,16
TPC 25x38	38	118	80	0,015	0,19
TPC 25x50	50	142	92	0,019	0,21
TPC 25x63	63	172	109	0,023	0,25
TPC 25x80	80	205	125	0,029	0,26
TPC 25x100	100	245	145	0,036	0,29
TPC 25x125	125	295	170	0,046	0,33

Colour code	Fa daN	Fc daN	P Bar
Green	50 (±5)	70	45
Blue	100 (±10)	140	90
Red	150 (±15)	219	135
Yellow	200 (±20)	270	175
Black	28 - 200	40 - 270	25 - 175

The black colour code denotes the adjustable pressure version (adjustable between 25 and 175 Bar). If not otherwise specified, these gas springs will be supplied in the yellow colour code version.

## TPC 350

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**150 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**2,54 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

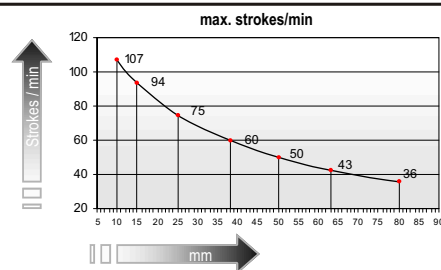
**0,33% / 1°C**

Max. stem speed

**0,8 m/s**

Maintenance kit

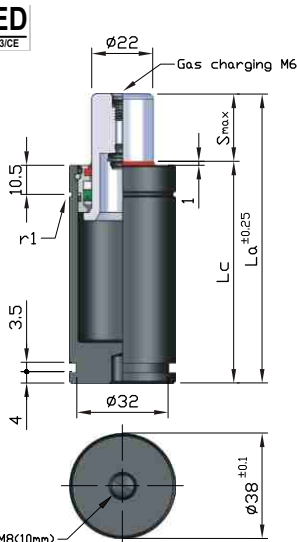
**kit C350**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	kg
TPC 350x10	10	70	60	350 (±5%)	425	138	0,014	0,28
TPC 350x15	15	80	65		450		0,017	0,30
TPC 350x25	25	100	75		480		0,023	0,32
TPC 350x38	38	126	88		500		0,032	0,36
TPC 350x50	50	150	100		515		0,039	0,40
TPC 350x63	63	176	113		525		0,048	0,44
TPC 350x80	80	210	130		535		0,059	0,50

## TPC 500

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**150 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**3,80 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

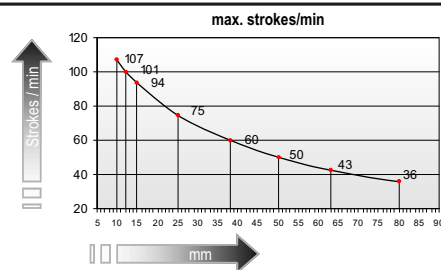
**0,33% / 1°C**

Max. stem speed

**1 m/s**

Maintenance kit

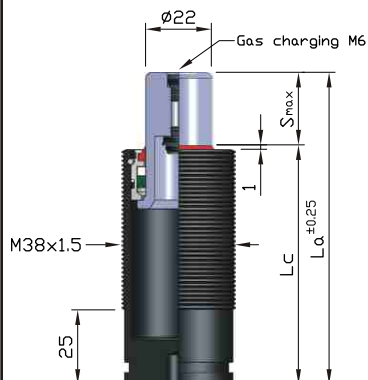
**kit C500**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	kg
TPC 500x10	10	75	65	500 (±5%)	580	132	0,026	0,38
TPC 500x12	12	79	67		595		0,027	0,40
TPC 500x15	15	85	70		610		0,030	0,43
TPC 500x25	25	105	80		645		0,040	0,45
TPC 500x38	38	131	93		680		0,053	0,52
TPC 500x50	50	155	105		695		0,065	0,55
TPC 500x63	63	186	123		710		0,079	0,62
TPC 500x80	80	220	140		725		0,096	0,69

## TPCR 500

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**150 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**3,80 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

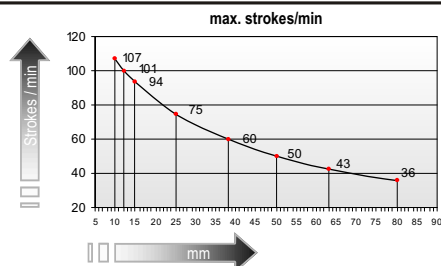
**0,33% / 1°C**

Max. stem speed

**1 m/s**

Maintenance kit

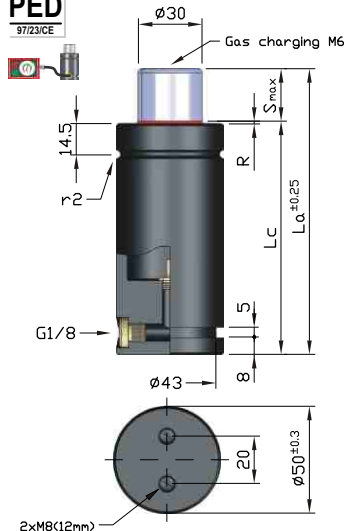
**kit CT500**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	kg
TPCR 500x10	10	75	65	500 (±5%)	580	132	0,026	0,38
TPCR 500x12	12	79	67		595		0,027	0,40
TPCR 500x15	15	85	70		610		0,030	0,43
TPCR 500x25	25	105	80		645		0,040	0,45
TPCR 500x38	38	131	93		680		0,053	0,52
TPCR 500x50	50	155	105		695		0,065	0,55
TPCR 500x63	63	186	123		710		0,079	0,62
TPCR 500x80	80	220	140		725		0,096	0,69

## TPC 1000

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**150 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**7,07 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

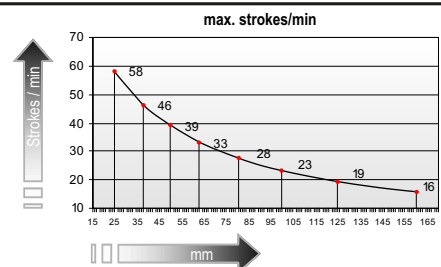
**0,33% / 1°C**

Max. stem speed

**0,5 m/s**

Maintenance kit

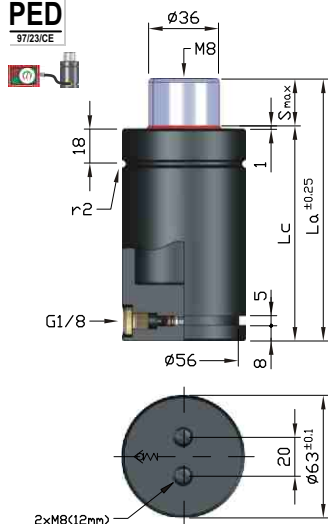
**kit C1000**



Code	S max mm	La mm	Lc mm	R mm	Fa daN	Fc daN	P Bar	V l	kg
TPC 1000x25	25	135	110	1	1000 (±5%)	1335	142	0,068	1,20
TPC 1000x38	38	161	123	1		1420		0,089	1,35
TPC 1000x50	50	185	135	1		1475		0,107	1,46
TPC 1000x63	63	211	148	1		1520		0,128	1,52
TPC 1000x80	80	245	165	1		1560		0,155	1,73
TPC 1000x100	100	295	195	1		1595		0,186	2,41
TPC 1000x125	125	345	220	3		1630		0,225	3,10
TPC 1000x160	160	415	255	3		1660		0,280	3,45

## TPC 1500

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**150 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**10,18 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

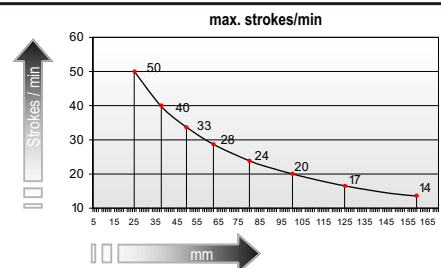
**0,33% / 1°C**

Max. stem speed

**0,5 m/s**

Maintenance kit

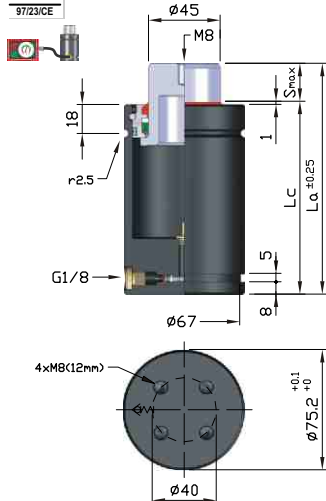
**kit C1500**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	kg
TPC 1500x25	25	135	110	1500 (±5%)	1960	148	0,11	1,86
TPC 1500x38	38	161	123		2070		0,14	2,10
TPC 1500x50	50	185	135		2140		0,17	2,25
TPC 1500x63	63	211	148		2200		0,20	2,30
TPC 1500x80	80	245	165		2240		0,25	2,55
TPC 1500x100	100	285	185		2480		0,26	3,15
TPC 1500x125	125	345	220		2495		0,32	4,06
TPC 1500x160	160	415	255		2320		0,46	5,23

## TPC 2500

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**150 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**15,90 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

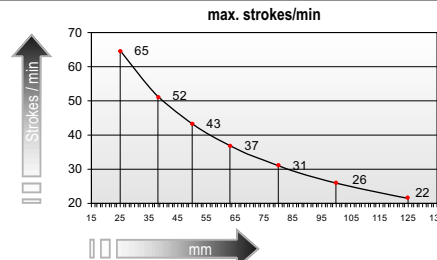
**0,33% / 1°C**

Max. stem speed

**0,8 m/s**

Maintenance kit

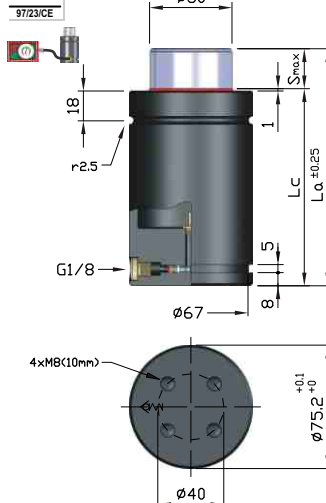
**kit C2500**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	kg
TPC 2500x25	25	145	120	2500 (±5%)	3015	155	0,219	2,50
TPC 2500x38	38	171	133		3170		0,272	3,25
TPC 2500x50	50	195	145		3275		0,322	4,00
TPC 2500x63	63	221	158		3365		0,375	4,40
TPC 2500x80	80	255	175		3450		0,446	5,05
TPC 2500x100	100	300	200		3530		0,528	5,55
TPC 2500x125	125	350	225		3600		0,631	5,98

## TPC 3000

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**150 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**19,63 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

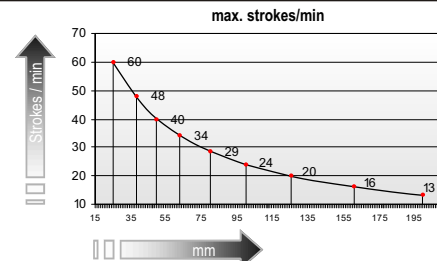
**0,33% / 1°C**

Max. stem speed

**0,5 m/s**

Maintenance kit

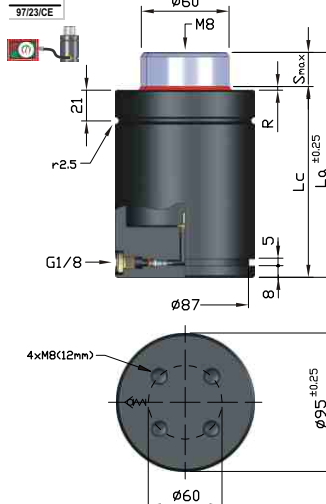
**kit C3000**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	kg
TPC 3000x25	25	145	120	3000 (±5%)	3845	150	0,209	2,70
TPC 3000x38	38	171	133		4100		0,265	3,30
TPC 3000x50	50	195	145		4270		0,316	4,10
TPC 3000x63	63	221	158		4410		0,372	4,50
TPC 3000x80	80	255	175		4555		0,445	5,10
TPC 3000x100	100	300	200		4675		0,530	5,90
TPC 3000x125	125	350	225		4790		0,637	6,50
TPC 3000x160	160	425	265		5490		0,678	7,40
TPC 3000x200	200	510	310		5480		0,849	7,85

## TPC 4000

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**150 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**28,27 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

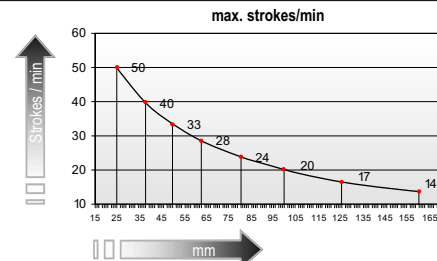
**0,33% / 1°C**

Max. stem speed

**0,5 m/s**

Maintenance kit

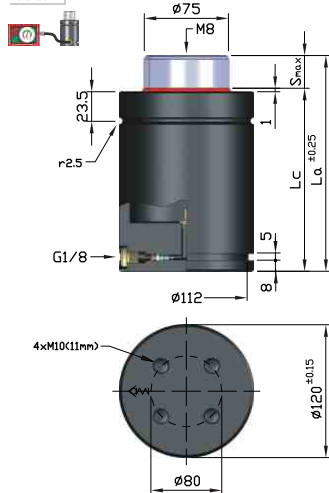
**kit C4000**



Code	S max mm	La mm	Lc mm	R mm	Fa daN	Fc daN	P Bar	V l	kg
TPC 4000x25	25	155	130	1	4000 (±5%)	4970	142	0,348	4,20
TPC 4000x38	38	181	143	1		5265		0,434	4,90
TPC 4000x50	50	205	155	1		5470		0,512	5,30
TPC 4000x63	63	236	173	1		5640		0,597	6,10
TPC 4000x80	80	270	190	1		5815		0,708	7,20
TPC 4000x100	100	310	210	1		5970		0,839	7,80
TPC 4000x125	125	370	245	3		6110		1,003	8,30
TPC 4000x160	160	440	280	3		6255		1,232	9,50

## TPC 6500

**PED**  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**150 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**44,18 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

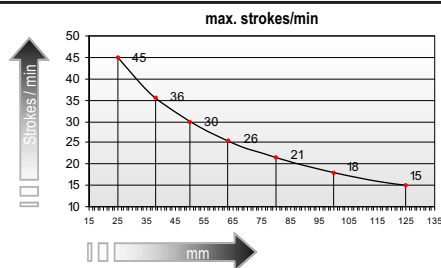
**0,33% / 1°C**

Max. stem speed

**0,6 m/s**

Maintenance kit

**kit C6500**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	kg
TPC 6500x25	25	165	140	6500 (±5%)	7630	147	0,689	9,45
TPC 6500x38	38	191	153		8050		0,822	10,05
TPC 6500x50	50	215	165		8360		0,945	10,75
TPC 6500x63	63	241	178		8635		1,078	11,67
TPC 6500x80	80	275	195		8925		1,252	12,28
TPC 6500x100	100	315	215		9195		1,457	13,35
TPC 6500x125	125	375	250		9455		1,712	14,29

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